GX7939

3U INTEL I7 QUAD-CORE, 2.8 GHZ CPCI EMBEDDED CONTROLLER

- 3U Embedded cPCI Controller
- 11th Gen Intel 4-Core i7, 2.8 GHz Processor
- 32 GB DDR4 Memory
- 1 TB Solid State Drive
- (1) Front Panel USB Port
- (2) Front Panel Gigabit Ethernet Ports
- (1) Front Panel DisplayPort Video Connection
- Support for GX7300 / GX7800 Series PXI chassis
- Windows 11 Pro (x64)

FEATURES

The GX7939 is a single-slot embedded cPCI 3U controller for use with Marvin Test Solutions' GX7300 and GX7800 Series PXI chassis. The GX7939 features an 11th generation 2.8 GHz 4-Core i7 processor, 32 GB of DDR4 memory and a 1 TB SSD, making this the ideal solution for an integrated, high performance PXI chassis / controller configuration.

CONFIGURATION

The GX7939 controller supports multiple peripherals and I/O interfaces through the controller's front panel. The controller's front panel I/O is provided with (2) Gigabit Ethernet connections, (1) USB 2.0 port and (1) DisplayPort video connection ideal for operation in PXI or cPCI chassis.

The GX7939 embedded system controller is compliant with the CompactPCI Core Specification PICMG 2.1 Rev. 2.0, and is compatible with the PXI-1 Rev. 2.2 specification.

APPLICATIONS

- Automatic Test Equipment (ATE)
- Data Acquisition
- Process Control
- Production Test
- Industrial Systems
- Portable Systems

GX7939

SPECIFICATIONS

PROCESSOR AND MEMORY	
CPU	Intel® Core® i i7-1185GRE Quad Core 2.8 GHz Processor, 12 MB cache
Main Memory	32 GB DDR4 DRAM memory
Other Memory	64 MB of BIOS flash 8 kB EEPROM

OPERATING SYSTEM	
Windows	Win 11 Pro (64 bit)

CPCI INTERFACE	
CompactPCI Bus Interface	32-bit, 33/66 MHz V(I/O): 3.3 V or +5 V (universal signal support) Compliant with CompactPCI specification PICMG 2.1 R 2.0

PERIPHERAL I/O PORTS	
USB Interface	(1) USB 2.0 port - front panel
Ethernet Interface	(2) 10/100/1000 MB/s Ethernet interface ports - front panel

GRAPHICS INTERFACE	
DisplayPort	(1) DisplayPort v1.4 interface - front panel

MASS STORAGE	
SATA M.2	1 TB Solid State Drive (SSD), internal

OPERATING SYSTEM	
Windows	Win 11 Pro (64 bit)

SUPPLY VOLTAGE / POWER CONSUMPTION	
+5 V	2.9 A (typ)
+3.3 V	4.3 A

ENVIRONMENTAL AND MECHANICAL	
Dimensions	3U, 4HP, CompactPCI/PXI compliant form factor
Weight	455 g
Operating Temperature	0 °C to +55 °C
Storage Temperature	-40 °C to +85 °C
Humidity (Operating & Storage)	5% to 95% RH max, non-condensing
Shock	20 g, 11 ms, 1/2 sine
Vibration (Sinusoidal)	0.38 mm pk at 5 Hz to 36 Hz 2 g at 36 Hz to 2 kHz

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX7939	3U Single Slot cPCI Embedded Controller, Intel i7 Quad-core, 2.8 GHz, 1 TB SSD, 32 GB DDR4

Note: The GX7939 is supplied by a 3rd party and resold by Marvin Test Solutions.